

Asia and Africa Science Platform Program,  
Establishment of Collaboration Research  
for 'Neo-Fiber Technology' in Asia and Africa  
Seminar Series 11

Program

**4th March**

17:30-18:30 Registration at The Hong Kong Polytechnic University

**5th March**

9:00-9:10 Welcome *Atsushi SAKUMA, Kyoto Institute of Technology, Japan*

9:10-9:40 Direct production of D-lactic acid from cellobiose using engineered Escherichia coli  
*Yuji Aso, Kyoto Institute of Technology, Japan*

9:40-10:10 Electrically controlled herbal extract from hydrogel  
*Sumonman Niamlang, Rajamangala University of Technology Thanyaburi, Thailand*

10:10-10:40 Thermo-oxidative ageing effect on matrix shrinkage and compressive behavior of 3-D braided carbon/epoxy composite  
*Bohong Gu, Donghua University, China*

10:40-11:00 **Break**

11:00-11:30 Electrospun polymer fibers and their optoelectronic applications  
*Yuya Ishii, Kyoto Institute of Technology, Japan*

11:30-12:00 Smart & functional fibers from biomaterials  
*Bin Fei, The Hong Kong Polytechnic University, China*

12:00-12:30 Instinctive fibers - properties and characterisation: Neo insights and foresights  
*Febi Varghese, Kerala State Industrial Enterprises Ltd., India*

12:30-14:30 **Lunch**

14:30-15:00 Fabrication of fibroin nanofibers remaining beta-sheet structures.  
*Yoko Okahisa, Kyoto Institute of Technology, Japan*

15:00-15:30 Preparation and characterization of low cost carbon fibers using novel precursors  
*Jaewoong Lee, Yeungnam University, Korea*

15:30-16:00 Structuralized staple fiber/filament composite yarns for fabrics with enhanced properties  
*Tao Hua, The Hong Kong Polytechnic University, China*

16:00-16:20 **Break**

16:20-16:50 Synthesis and characterization of segmented PLA using lactyl segment  
*Kazunari Masutani, Kyoto Institute of Technology, Japan*

16:50-17:20 Effective stress transferring interface and mechanical property enhancement of poly(L-lactide)/multi-walled carbon nanotubes fibers  
*Juanjuan Su, Zhejiang Sci-Tech University, China*

17:20-17:50 DSC and SWAXS studies on the acceleration of crystallization of poly(L-lactic acid) by biobased additives  
*Shinichi Sakurai, Kyoto Institute of Technology, Japan*

18:05- **Welcome Party**

## 6th March

9:10-9:40	Routes to nanofibrous composites for use in sensing <i>Nuruzzaman Noor, The Hong Kong Polytechnic University, China</i>
9:40-10:10	Developing swimsuit fabric using nanotechnology and screen photochemical method <i>Eman Raafat Saad, Helwan University, Egypt</i>
10:10-10:40	Influence of fabric properties on the flattening of clothing parts <i>Ngo Chi Trung, Hanoi University of Science and Technology, Vietnam</i>
10:40-11:00	<b>Break</b>
11:00-11:30	The shape of fiber material and functionality evaluation and its development in cell harvesting instrument <i>Hitomi Morino, Kobe Women's University, Japan</i>
11:30-12:00	Application of Umorefil® yarn on knitted fabric manufacturing and evaluation of fabric properties <i>Soydan Ali Serkan, Pamukkale University, Turkey</i>
12:00-12:30	Sustainable design of "Shirmel", The Mongolian natural fiber <i>Tsiyen-Oidov Batsaikhan, Mongolian University of Science and Technology, Mongol</i>
12:30-14:30	<b>Lunch</b>
14:30-15:00	Sustainable operations and innovations in fashion and textiles industry <i>Di Fan, Australian National University, Australia</i>
15:00-15:30	Bionic coloration with plant derived phenols <i>John H Xin, The Hong Kong Polytechnic University, China</i>
15:30-16:00	Collaborative research on textile sensory engineering <i>Tetsuya Sato, Kyoto Institute of Technology, Japan</i>
16:00-16:20	<b>Declaration, Photo Session</b>
16:20-16:30	Closing Remarks <i>John H Xin, The Hong Kong Polytechnic University, China</i>
16:30-22:30	<b>Break, Campus Tour, Farewell Party &amp; Excursion</b>